DECLARATION FOR PATENT APPLICATION

As a believe remote inventor, I Excitely declase that My residence, post office address and citizenship us an attend below next to my name. I believe I am the original, first and sole arresont (I and) concerned is listed below) or on original, first and joint inventor (If pland vasious are listed below) of the application which is cisioned and for which a princip vice at shocked. **CONTROLLING SOLIDS FLOW IN A GAS-SOLIDS REACTOR** the specification of which is statistical below to relieve the following box a shocked. **CONTROLLING SOLIDS FLOW IN A GAS-SOLIDS REACTOR** the specification of which is statistical below to relieve the following box a shocked. **CONTROLLING SOLIDS FLOW IN A GAS-SOLIDS REACTOR** the specification of which is statistical for controlling the calculation of the statistical production of the statistical production of the statistical production of the specification of the statistical production of the statistic production of					Case Docket No.	2002R167A
Lective Last the estignal, first and sole pre-more (if only one nume is listed below) or an original, first and joint inventors (if plaus) which is claimed and for which a present it cought on the subject matter, which is claimed and for which a present it cought on the contract of the present feature of the present claimed and are also as a population of the present claimed and are also as a population of the present claimed and are also as a population of the present claimed and are also as a population of the present claimed and are also as a population of the present claimed and are also as a population of the present of the above identified openitations, including the claimer, as amended by any original population of allows. 1 accomplishing the duty to disclose information which designated at least one country other than the United States publication in accordance with Thirt. Vr. Cacle of Fudural Regulations (4, 15.6. 1 becoming the duty to the present of th	As a below named inventor.	I hereby declare diat:			_	
the subject means, which is claimed and for whate a partner is terright on the investion control. CONTROLLING SOLIDS PLOW IN A GAS-SOLIDS REACTOR The specification of which is attached hereto unless the following bots in chushed: [My residence, post office add	dress and citizenship are	as stated below noxi t	o my name.		
The specification of which is attached based onless the following hos is chacked:	I believe I am the original, fit the subject matter which is c	rst and sole inventor (if c laimed and for which a p	only one name is listed satent is smight on the	i below) or an original, invention coulded:	tinst and joint inventor (if p	lural numes are listed bolow) of
The specification of which is attached based onless the following hos is chacked:	(CONTROLLING	SOLIDS FLOW	IN A GAS-SOL	IDS REACTOR	
Liberdy state that I have reviewed and understand the contrains of the above identified openities on, including the claims, as amended by any ormendment referred to above. 1 actumentage the duty to disclose information which is material in the examination of this application in accordance with Title 17, Code of Fukual Regulations 8, 1.56. 1 actumentage the duty to disclose information which is material in the examination of this applications in accordance with Title 17, Code of Fukual Regulations 8, 1.56. 1 actumentage priority hearing under 35 U.S.C. \$ 119(a)-(a) or § 365(b) of any foreign applications or inventor's confidenate(s), or § 365(a) or any FCT International application which designated at least one country other than the United State, fitted below and large also identified below, by checking the box, any foreign application which priority is claimed One foreign and fitted below that the benefit under 35 U.S.C. \$ 119(a)(1)(7) of any United States provisional application which are fitted below. Application Numbers Common Com						
1 accumentage the duty to disclose information which is maternal in the examination of this application in accordance with Title 17, Code of Fuducal Regulations, 9, 1.56. 1 brothy plains foreign priority hersefits under 35 U.S.C. § 119(a)-(d) or § 345(b) of any foreign application for inventor's certificate(c), or § 365(a) of any FCT International application which designated at least one country other than the United States, Bred below and have also identified below, by tockning the box, any foreign application which designated at least one country other than the United States, Bred below and have also identified below, by tockning the box, any foreign application which priority is claimed Privative Claimed (Numbert (Country) (Country) (Private Plas) Yes Ma (Numbert (Country) (Country) (Private Plas) Yes Ma (Application Number) (Private Plas) Yes Ma (Application Number) (Private Plas) Yes Ma (Application Number) (Private Plas) (Private Plas) (Private Plas) Yes Ma (Application Number) (Private Plas) (Pr	· •			n. or PCT Inversational	Application No.	
Regulations, § 1.56. Lanchy claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign applications which designated at least one country other than the United States, [Brod below and bare also identified below, by checking the box, any toreign application which designated at least one country other than the United States, [Brod below and bare also identified below, by checking the box, any toreign application which priority is elaimed Country		Yipwed and understand	me contents of the ab	ove identified specific	evon, including the claims	, as anunded by any omendment
of any PCT International application which designated at least one country other than the United States, Blood below and have also identified below, by checking the box, any toreing application on which priority is claimed Prior Foreian Application on which priority is claimed Prior Foreian Application (Commy) (Co		disclose information wi	hich is material to th	e examination of this	application in accordance	with Title 37, Code of Fodoral
Principle Company (Company) (Com	of any PCT International ap checking the box, any fores	pplication which designs gn application(s) for pa	ated at least one cour	itry other than the Uni	ten States, listed below au	d have also identified below, by
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Interest claim the benefit under 35 U.S.C. § 119(e)(1)-(2) of any United States provisional application(s) listed below. (Application Number) (Applicati	(Number)	(Сочт	n(ry)	(Day/Monatr) car File)		
I hereby claim the benefit under 35 U.S.C. § 119(e)(1)-(2) of any United States provisional application(s) listed below. (Application Number) (Application Scrid Na) (Application Number) (Application Scrid Na) (Application Numbers) (Application Scrid Na) (Application Scrid Na) (Application Numbers) (Application Scrid Numbers) (Application Scri						
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Capplication Numbers Child Date) Child Date)	I hereby claim the benefit or	nder 35 U.S.C. § 119(e)(1)-(2) of any United S	tates provisional applica	ation(s) listed below.	
Capplication Numbers Child Date) Child Date)						
I hereby claim the hencefit under 35 U.S.C. § 120 of any United States application(s), ut § 365(c) of any PCT International application designating the United States, turted below and, insuface as the subject matter of each of the claims of this application is the prior United States or PCT International application in the manner provided by the fust paragraph of 35 U.S.C. § 112, 1 acknowledge the duty to disclose material information which is material in patentability as defined in V/ CFR § 1.50 which became available between the filing date of the prior application and the national or PCT International filing date of this application. 10/31/2.253 December 6, 2002 Penning	(Amhication N.	unbci)		(Filing Duw)		
I hereby claim the hencefit under 35 U.S.C. § 120 of any United States application(s), ut § 365(c) of any PCT International application designating the United States, turted below and, insuface as the subject matter of each of the claims of this application is the prior United States or PCT International application in the manner provided by the fust paragraph of 35 U.S.C. § 112, 1 acknowledge the duty to disclose material information which is material in patentability as defined in V/ CFR § 1.50 which became available between the filing date of the prior application and the national or PCT International filing date of this application. 10/31/2.253 December 6, 2002 Penning						
States, turted below and, insufat as the subject matter of such of the claims of this application is the prior United States of PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, 1 acknowledge the duty to disclose meterial information which is material in patentiality as defined in V. CFR § 1.36 which became available between the filing date of the prior application and the national or PCT International filing date of this application. 10313,253 December 6, 2002 (Application Script No.) (Filing Date) (Application Script No.) (Filing Date) (Filing Date) (States - parental pending abandoned) (States - parental pending abandoned) POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(a) and/or agent(s) to presente this application and transact all business in the Patent and Trademark Office connected thermann. NAMES REGISTRATION NUMBERS Leaadro Arechederrs 52,457 Lustinda Lordes 51,964 Catherine L. Bell 30,404 Lovie N. Morene 44,933 Keith A. Bell 30,004 Stophen D. Produit 43,020 C. Milton Piok 33,384 Torn P. Print 30,317 Andrew B. Griffiti 36,336 Frank E. Reid 37,918 John F. Hunt 29,394 Dettrip Fashini 26,079 Linda A. Kulbena 42,772 Januar Sherr 20,582 Maria C. Walsh 37,958 Pault T. LaVoite 38,555 Darry M. Tyup 40,853 Pault T. LaVoite 38,681 Naria C. Walsh 37,958	(Application Nu	imber)		(Filing Dave)		
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POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(a) and/or agent(s) to presente this application and transact all business in the Patent and Trademark Office connected thermath. REGISTRATION NAMES RECISTRATION NUMBERS		•		_		tonedi
POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(a) and/or agent(s) to presente this application and transact all business in the Patent and Trademark Office connected thermath. REGISTRATION NAMES RECISTRATION NUMBERS						
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SEND CORRESPON ExxonMobil Chemica Law Technology P.O. Box 2149 Baytown, Texas 7752	al Company	(Name and T Paul T. LaVo (281) 834-50); 	
true; and further tha	all statements made herein of my own knot these statements were made with the known that the statement of Title 18 of the Union issued thereon.	powledge that willful fall	se statements and the	like to made	are nunishable by fine
FULL NAME	LAST NAME	FIRST NAME		MIDDLE	NAME
OF INVENTOR	SMITH	JEFFREY		S.	
RESIDENCE &	CITY	STATE OR FORE	IGN COUNTRY	COUNTR	Y OF CITIZENSHIP
CITIZENSHIP	SEABROOK	TEXAS		UNITED	
POST OFFICE	POST OFFICE ADDRESS	CITY	STATE OF	COUNTRY	
ADDRESS	2541 DU LAC TRACE	SEABROOK	TEXAS		77541
Inventor's sign			Date		
FULL NAME	LAST NAME	FIRST NAME		MIDDLE	NAME
OF INVENTOR	LATTNER	JAMES		RICHARI	DSON
RESIDENCE &	CITY	STATE OR FORE	IGN COUNTRY	COUNTRY	OF CITIZENSHIP
CITIZENSHIP	SEABROOK	TEXAS		UNITED S	STATES
Post office	POST OFFICE ADDRESS	CITY	STATE OR	COUNTRY	ZIP CODE
ADDRESS	4147 CROWNWOOD	SEABROOK	TEXAS		77586
Inventor's sign	nature Jonn R. las	the	Date	15/03	
FULL NAME	LAST NAME	FIRST NAME	· · · · · · · · · · · · · · · · · · ·	MIDDLE	JAMF
OF INVENTOR	CLEM	KENNETH		R.	***************************************
RESIDENCE &	CITY	STATE OR FORE	IGN COUNTRY		OF CITIZENSHIP
CITIZENSHIP	HUMBLE	TEXAS		UNITED	
POST OFFICE	POST OFFICE ADDRESS	CITY	STATE OR CO		ZIP CODE
ADDRESS	7407 PINE GREEN LANE	HUMBLE	TEXAS	1	77346
Inventor's sign			Date		,,,,,,
FULL NAME	LAST NAME	FIRST NAME		MIDDLE	IAME
OF INVENTOR	LOEZOS	PETE		N.	AVIATE
RESIDENCE &	CITY	STATE OR FORE	IGN COLINTAY		OF CITIZENSHIP
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COST OFFICE ADDRESS	POST OFFICE ADDRESS 7171 BUFFALO SPEEDWAY	CITY HOUSTON	STATE OR TEXAS	COUNTRY	ZIP CODE 77025

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FULL NAME	LAST NAME	PIRST NAME		MIDDLE N	AME
OF INVENTOR	COUTE	NICOLAS		P	
RESIDENCE &	CITY	STATE OR FOREIG	N COUNTRY	COUNTRY	OF CITIZENSHIP
CITIZENSHIP	HOUSTON	TEXAS		FRANCE	
POST OFFICE	POST OFFICE ADDRESS	CITY	STATE OR	COUNTRY	ZIP CODE
VDDKESS	16514 SCENIC PEAKS COURT	HOUSTON	TEXAS		77059
FULL NAME	LAST NAME	FIRST NAME		MIDDLE NA	AME
		-			
OF INVENTOR	PATEL	RUTTUN	1	D.	TIME
RESIDENCE & CITIZENSHIP	CITY ARLINGTON	STATE OR FOREIGH VIRGINIA	N COUNTRY		OF CITIZENSHIP
POST OFFICE	POST OFFICE ADDRESS	CITY	STATE OR	COUNTRY	ZIY CODE
AUDRESS	2228 N. QUEBEC STREET	AKLINGTON	VIRGINIA		22207
	2	<u> </u>			

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DECLARATION FOR PATENT APPLICATION

			Case Docket No.	1002B167A	
As a below named inventor, I hereby de	ciere that:		•		
My residence, post office address and c	iscaship are as stated below	next to my hame.			
I believe I am the original, first and sole the aubject matter which is claimed and			l, first and joint inventor (if	plural names are list	ed below) of
CONTR	olling solids fi	LOW IN A GAS-SOI	LIDS REACTOR		
the specification of which is attached t					
() was filed on and was amended on	as Application Se (if applicable),	rial No. or PCT International	l Application No.		
I beroby state that I have reviewed and referred to above.	understand the consents of	the above identified specific	cation, including the claim	s, as amonded by an	y amendmen
1 schnowledge the duty to disclose in Regulations, § 1.56.	formation which is materia	to the examination of this	spplication in accordance	with Title 37, Co.	de of Fadera
I hereby claim foreign priority benefits of any PCT International application w checking the box, any foreign application	which designated at least onion(s) for patent or inventor	e country other than the Un	ited States, littled below a	nd bave also identifi	od below, by
application on which priority is claimed <u>Prior Porsign Application(s)</u>	•			Priority Claimed	
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I hereby claim the benefit under 35 U.S.	C, § 119(c)(1)-(2) of any Ur	ited States provisional applic	cation(3) listed below.		
(Application Pumber)		(Filling Dow)			
(Application Number)		(Filing Date)			
I hereby claim the benefit under 35 U.S. States, listed below and, insofar as the sapplication in the manner provided by patentability as defined in 37 CFR § 1.5 date of this application.	subject mance of each of the the first paragraph of 35 U.S	claims of this application is S.C. § 112, I acknowledge to	not disclosed in the prior t be duty to disclose materis	Inited States or PC7 I information which	Internationa is meterial to
10/313,251	December 6, 20	02	Pending		
(Application Berial No.)	(Filing Date)		(Status - BRICATES, panding, aba.	idental)	
(Application Serial No.)	(Filipp Dam)		(Sintu - pattaled, pension and	nioned)	
POWER OF ATTORNEY: As a name business in the Patent and Trademark O	ed inventor, I hereby appointion comments.	it the following ammey(s)	and/or agent(s) to prosecu	e this application an	ud utanemet el

NAMES	REGISTRATION NUMBERS	NAMES	REGISTRATION NUMBERS	
Leandro Arechederra	52,457	Lucinda Lornes	51,964	
Cutherine L. Bell	35,444	Louis N. Moreno	44,953	
Keith A. Bell	30.023	Stephen D. Prodnuk	43,020	
C. Milton Fick	29.3a 3	Tom F. Pruin	30,317	
Andrew B. Griffia	36,336	Frank E. Reid	37,918	
John F. Hunt	29,394	Dennis P. Santini	26.029	
Rick F. James	48,772	C. Paige Schmids	38,556	
Linda A. Kubena	42,772	Jaimes Shor	34,726	
Bradley A, Keller	37,654	Edward F. Sherer	29,188	
Mendi B. Milbenk	50,853	Darryl M. Tyus	40,853	
Paul T. LaVpie	38,651	Maria C. Walsh	37,959	
		Phillip G. Woo	45,234	

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			Çate î	Docket No	2002B167A
SEND CORRESPOND			PHONE CALLS TO	:	
EngonMobil Chemical Law Technology	Company	(Name and Tole Paul T. Livoie	phone No.)		
P.O. Box 2149		(281) 834-5080			1
Baytown, Texas 77522.	2149	Factimile No. (2	181) 634-2495		
	I statements made herein of my own knowle these statements were made with the knowle				
imprisonment, or both, application or any pater	under Section 1001 of Title 18 of the Unite	ed States Code and that su	ch wil)ful false state	ments may jeop	ardize the validity of the
FULL NAME	LAST NAME	FIRST NAME		MIDDLEN	AME
OF INVENTOR	SMITH	JEFFREY		S.	
RESIDENCE &	CITY	STATE OR FOREIG	ON COUNTRY	i	OF CITIZENSHIP
CITIZENSHIP	SEABROOK	TEXAS		UNITED S	TATES
Post office	POST OFFICE ADDRESS	CITY	1	COUNTRY	i
ADDRESS	2541 DU LAC TRACE	SEABROOK	TEXAS		77541
Inventor's signa	nure eller /	field	Date	7/12	103
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FULL NAME	LABTNAME	FIRST NAME		MIDDLEN	AME
OF INVENTOR	LATTNER	JAMES		RICHARD	SON
residence &	CITY	STATE OR FOREIG	IN COUNTRY	COUNTRY	OF CITIZENSHIP
CITIZENSHIP	SEABROOK	TEXAS	· · · · · · · · · · · · · · · · · · ·	UNITED S	TATES
POST OFFICE	POST OFFICE ADDRESS	CITY	1 '	COUNTRY	ZIP CODE
ADDRESS	4147 CROWNWOOD	SEABROOK	TEXAS		77586
Inventor's signa	Here Janu K lall	bee	Date	115/03	
FULL NAME	LAST NAME	FIRST NAME		MIDDLE N	AME
OF INVENTOR	CLEM	KENNETH		R.	
RESIDENCE &	CITY	STATE OR FOREIC	OUNTRY	1	of Citizenship
CITIZENSHIP	HUMBLE	TEXAS		UNITED S	
POST OPFICE	POST OFFICE ADDRESS	CITY	STATE OR CO		LIP CODE
ADDRESS	7407 PINE GREEN LANE	HUMBLE	TEXAS		7346
Inventor's signa	ture		Date		
FULL NAME	LASTNAME	FIRST NAME		MIDDLEN	ANGE
OF INVENTOR	LOEZOS	PETE		N.	Latter.
RESIDENCE &	CITY	STATE OR FOREIG	ON COUNTRY		OF CITIZENSHIP
CITIZENSHIP	HOUSTON	TEXAS	., vocitiei	UNITED S	
POST OFFICE	POST OFFICE ADDRESS	CITY	STATEOR	COUNTRY	
ADDRESS	7171 BUFFALO SPEEDWAY	HOUSTON	TEXAS		77025
Inventor's signs			Date		

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FULL NAME OF INVENTOR	LAST NAME COUTE	FIRST NAME NICOLAS		MIDDLE N.	AME
RESIDENCE & CITIZENSHIP	CITY	STATE OR FORE	IGN COUNTRY	COUNTRY	OF CITIZENSHIP
POST OFFICE ADDRESS	POST OFFICE ADDRESS 16514 SCENIC PEAKS COURT	CITY HOUSTON	STATE OR TEXAS	COUNTRY	ZIP CODE 77059

ADDRESS Inventor's sign	1 16514 SCENIC PEAKS COUR'	T HOUSTON	TEXAS	7/17/0	77059
PULL NAME OF INVENTOR	LAST NAME PATEL	FIRST NAME RUTTON		MIDDLE N.	
residence & Citizenship	CITY ARLINGTON	STATE OR FOREIG	N COUNTRY	COUNTRY UNITED 57	of Citizenship Tates
POST OFFICE ADDRESS	POST OFFICE ADDRESS 2228 N. QUEBEC STREET	CITY	STATE OF VIRGINIA	COUNTRY	ZIP CODE
Inventor's sign	ieture		Date		

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DECLARATION FOR PATENT APPLICATION

As a below named invento	r. I hereby declare that:		Case Docket No.	2002B167A
	address and citizenship are as stated below	next to my name		
believe I am the original,	first and sole inventor (if only one name i	is listed below) or an orig	zinal, first and joint inventor (if p :	lural names are listed below) of
	CONTROLLING SOLIDS FI	LOW IN A GAS-S	OLIDS REACTOR	
the specification of which	is attached hereto unless the following b	ox is checked:		
was filed on and was amended on	as Application Sc (if applicable).	rial No. or PCT Internat	ional Application No.	
hereby state that I have referred to above.	reviewed and understand the contents of	the above identified spe	ecification, including the claims	as amended by any amendment
l acknowledge the duty t Regulations, § 1.56.	o disclose information which is materia	I to the examination of	this application in accordance	with Title 37, Code of Federal
of any PCT International	oricy benefits under 35 U.S.C. § 119(a)-(d) spplication which designated at least on reign application(s) for patent or inventor ity is claimed	c country other than the	: United States, listed below an	d have also identified below, by
Prior Fareign Application(Priority Claimed
(Number)	(Сылқу)	(Dry/Munib/Year	Filed) Yes	[] No
(Number)	(Country)			[]
	under 35 U.S.C. § 119(c)(1)-(2) of uny Ur	(Day/Month/Year	•	<u>Na</u>
(Application	Numbet)	(Filing Date)		
(Application)	Number)	(Filing Date)		
States, listed below and, it application in the minner	under 35 U.S.C. § 120 of any United States for us the subject matter of each of the provided by the first paragraph of 35 U. 37 CFR § 1.56 which became available b	claims of this applications. S.C. § 112, I acknowled	on is not disclosed in the prior U	nited States or PCT International information which is material to
10/3 (3,253	December 6, 20	002	Pending	
(Application Serial No.)	(sed ynitit)		(Sintue - patented, pending, aban	laned)
(Application Serial No.)	(Filing Dure)		(Status - patenzod, pending, shan	(Nenoi)
POWER OF ATTORNEY business in the Patent and	7: As a numed inventor, I hereby appoint Tradomark Offico connected therewith.	nt the following attorney	(8) and/or agent(3) to prosecute	this application and transact all
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Case Docket No. 2002B167A DIRECT TELEPHONE CALLS TO: SEND CORRESPONDENCE TO: ExxonMobil Chemical Company (Name and Telephone No.) Paul T. LaVoie Law Technology (281) 834-5080 P.O. Box 2149 Facsimile No. (281) 834-2495 Baytown, Texas 77522-2149

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued therson.

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